

09/894, 371

6 JAN 2005

Part. No.: 6773778

J: MAJ

On (note date):

Team Leaders Initials

FO SUPPLIED BY: JWB

OAC/LDRC Initials

**SECOND REQUEST (DIFFERENT CORRECTIONS), SUPERSEDE OR RECONSIDERATION**  
 (OAC OR LDRC, USE A RED PEN FOR COMPLETING INFO, ON THIS COVER SHEET) (11/2002 cbn)

am Leader, an Office Automation Clerk may assist you by supplying data from CofC Database (Current & History), PALM, and copies from Intranet, to determine type of request (second request, supersede, and/or reconsideration) and to determine if there were any errors made in decisions and/or keying. Team Leader, check appropriate boxes below, key record (if necessary) and forward to JCWS, to order file and assign file to an LIE, to EXPEDITE.

Team Leader, DO NOT ORDER FILE.

(RD (for request attached to this cover sheet): / / (Team Leader have LDRC, stamp same MRD on 1050s).

ile Charged to (in PALM): \_\_\_\_\_ Date Charged to Loc.: / /

Information re most recent record in CofC database (Check Current & History)

RD: / / Examiner (LIE's initials): \_\_\_\_\_

Date Assigned: / / Turned In: / /

CofC Issued: / / CofC Denied: / / Updated: Y / N Date: / /

Patent number listed on C of C listing in OG ((circle one) Y / N)

CofC Issued for this record is attached to patent on Internet (circle one) Y / N

New/different correction(s) requested. Check Intranet or with RTIS. (circle one) Y / N

Duplicate (same heading and corrections published/issued CofC on Intranet. (circle one) Y / N

Substitute or corrected request. Locate the original request (check with JCWS and RTIS).

Second Request (another) requesting new/different corrections or additional corrections. TEAM LEADER, DO NOT ORDER FILE. If necessary, call attorney/applicant for assistance in determining if

new/different corrections. Team Leader, key new a record on: 11/4/05. Place and count with

1050s keyed, same week, determine and note in to upper right hand corner if "P", "R", or "RTC".

Mark through any corrections on 1050, that were appropriately published; or JCWS assign to: \_\_\_\_\_

Reconsideration  Supersede  Special CofC  Erratum  Expedite CofC

Team Leader, determine if a Request for a Corrected CofC (Supersede) or Reconsideration, due to error in decisions or keying, attributable to (check the appropriate box, below):

RTIS  
Keying Error

LIE: \_\_\_\_\_  
LIE Processing or  
Decision Error

OFFICE  
Error in Entry of Document  
or Ex. Decision

ATTY.  
1323 Consideration  
or Petition Required

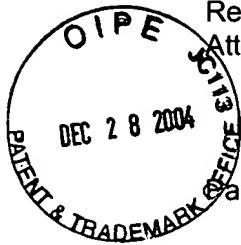
If errors are attributable to LIE, use guidelines for appropriately notifying the LIE and recording errors (make copies supporting that the LIE made error, attach copies to this cover sheet, keeping copies for your records, and forward copies to CBN, at the end of each month).

JW or OL, locate request for CofC published on: / / and return to: \_\_\_\_\_  
(Circle OAC Initials)

Team Leader keyed record on on: \_\_\_\_\_  Post card Printed by Tasneem  
(Team Leaders, give all second requests to Tasneem, to print a post card.)

JCWS, order file and assign or reassign to LIE/to: \_\_\_\_\_/LIE, see your Team Leader for assistance.

Comments/ Instructions: \_\_\_\_\_



C of C

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No. : 6,773,778 Confirmation No. 5541  
Inventors : Onozawa et al.  
Issued : August 10, 2004  
Title : Hard Coat Film  
Examiner : Brian P. Egan  
Customer No. : 28289

Certificate  
JAN 03 2005  
of Correction

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT  
FOR PTO MISTAKE (37 C.F.R. 1.322(a))

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

ATTENTION: Decision and Certificate of Correction Branch  
Patent Issue Division

Sir:

In accordance with 35 U.S.C. §254, we attach hereto Form PTO/SB/44 and a copy of proof of PTO errors and request that a Certificate of Correction be issued in the above-identified patent. The following errors appear in the patent as printed:

Face of Patent, See Item (56), References Cited, under U.S. PATENT DOCUMENTS, after the first patent, No. 3,810,815, "5/1974" should read --**7/1969**--.  
(See Form PTO 892 mailed March 3, 2003.)

Face of Patent, See Item (57), ABSTRACT, Line 1, "film is providend" should read  
--film is provided--.

(See Preliminary Amendment of June 27, 2001, Page 9, Replacement Paragraph, Line 1.)

Column 1, Line 34, "required to be high" should read --required to be highly--.  
(See application, Page 2, Line 10.)

Respectfully submitted,

WEBB ZIESENHEIM LOGSDON  
ORKIN & HANSON, P.C.

By

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Attorney for Registrants  
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Telephone: (412) 471-8815  
Facsimile: (412) 471-4094

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

PATENT NO. : 6,773,778

DATED : May 25, 2004

INVENTOR(S) : August 10, 2004

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Face of patent, See Item [56], References Cited, under U.S. PATENT DOCUMENTS, after the first patent, No. 3,810,815, "5/1974" should read --7/1969--

Face of patent, See Item [57], ABSTRACT, Line 1, "film is providend" should read --film is provided--

Column 1, Line 34, "required to be high" should read --required to be highly--

{W0160082.1}

MAILING ADDRESS OF SENDER:

The Webb Law Firm  
700 Koppers Building  
436 Seventh Avenue  
Pittsburgh, PA 15219-1818

PATENT NO. 6,773,778

No. of additional copies



This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*



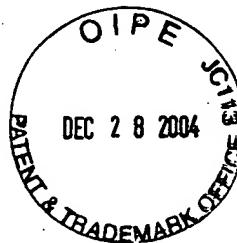
UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
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Washington, D.C. 20231  
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/894,371	06/27/2001	Yutaka Onozawa	1217-010927	5541

7590 03/03/2003

Russell D. Orkin  
700 Koppers Building  
436 Seventh Avenue  
Pittsburgh, PA 15219-1818



EXAMINER

EGAN, BRIAN P

ART UNIT

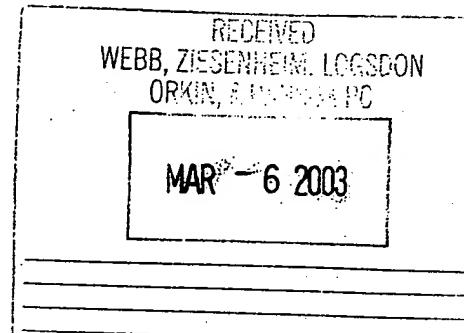
PAPER NUMBER

1772

DATE MAILED: 03/03/2003

6

Please find below and/or attached an Office communication concerning this application or proceeding.





Application No.

09/894,371

Applicant(s)

ONOZAWA ET AL.

**Office Action Summary**

Examiner

Brian P. Egan

Art Unit

1772

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

**A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM  
 THE MAILING DATE OF THIS COMMUNICATION.**

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1) Responsive to communication(s) filed on 26 December 2002.

2a) This action is FINAL.                    2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4) Claim(s) 1,5,8-12,16,19,20,24,27 and 28 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) Claim(s) \_\_\_\_\_ is/are allowed.

6) Claim(s) 1,5,8-12,16,19,20,24,27 and 28 is/are rejected.

7) Claim(s) \_\_\_\_\_ is/are objected to.

8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12) The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some \* c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) The translation of the foreign language provisional application has been received.

15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_

4) Interview Summary (PTO-413) Paper No(s) \_\_\_\_\_

5) Notice of Informal Patent Application (PTO-152)

6) Other: \_\_\_\_\_



Notice of References Cited		Application/Control No. 09/894,371	Applicant(s)/Patent Under Reexamination ONOZAWA ET AL.	
Examiner Brian P. Egan		Art Unit 1772	Page 1 of 1	

#### U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-5,956,175	09-1999	Hojnowski	359/360
	B	US-3,810,815	07-1969	Weihart et al.	161/183
	C	US-6,103,370	08-2000	Onozawa et al.	428/354
	D	US-5,393,607	02-1995	Kawasaki et al.	428/334
	E	US-6,391,400	05-2002	Russell et al.	428/34
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

#### FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N	JP 11-309813	11-1999	JAPAN	Lintec Corp	--
	O					
	P					
	Q					
	R					
	S					
	T					

#### NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.



PATENT APPLICATION  
Attorney Docket No. 1217-010927

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :

**Yutaka ONOZAWA,** : **HARD COAT FILM**  
**Toshio SUGIZAKI** :  
**and Satoshi SAKURAI** :

Serial No. Not Yet Assigned :

Filed Concurrently Herewith :

Pittsburgh, Pennsylvania

June 27, 2001

**PRELIMINARY AMENDMENT**

**BOX PATENT APPLICATION**  
Commissioner for Patents  
Washington D.C. 20231

Sir:

Prior to initial examination, please amend the above-identified patent application as follows:

**IN THE SPECIFICATION:**

Please amend section headings and amend specification paragraphs as follows. (Pursuant to 37 CFR 1.121, marked-up versions of the amended specification paragraphs are attached.)

On page 1, please delete the first complete paragraph and insert the following replacement paragraph:

**IN THE ABSTRACT:**

Please delete the ABSTRACT and insert the following replacement  
ABSTRACT:

A hard coat film is provided, having excellent resistance to impact and weather, and high surface hardness, which is suitable for being stuck on the external surfaces, e.g., those of window panes or plastic boards for windows. In the hard coat film, a silicone-based hard coat layer is provided on one side of a multi-layered base composed of a plurality of the same or different laminated resin films.



- 1 -

## HARD COAT FILM

### BACKGROUND OF THE INVENTION

#### Field of the Invention

The present invention relates to a novel hard coat film, more particularly a hard coat film having excellent resistance to impact and weather, and suitable for being stuck on external surfaces, in particular those of window panes and plastic boards for windows.

#### Description of the Prior Art

It is known to apply plastic films have been used to be stuck on window panes and plastic boards for windows for various purposes. For example, sunlight entering a room through a window pane contains ultraviolet and infrared rays, in addition to visible rays. The ultraviolet rays in sunlight causes sunburn. Its adverse effects on a human body have been recently pointed out, and it is well known that it deteriorates a packing material and content thereof. The infrared rays in sunlight, on the other hand, increases temperature in a room by direct sunlight, lowering an air-conditioning effect in summer. In order to avoid these undesirable effects, window panes and plastic boards for windows are covered with an ultraviolet- or infrared-shielding film. They are also frequently covered with a film for view-obstructing purposes, or for preventing fragment scattering when the window pane is broken by a hazard,

e.g., earthquake. The above films for shielding ultraviolet  
PA or infrared ray, or for view obstruction also have an effect  
of preventing fragment scattering.

More recently, use of the above-described plastic films  
5 has been studied, to protect window panes of vehicles running  
at a high speed. For example, a train generates a high wind  
pressure when it is passing through a tunnel, thus blowing  
off pebbles and snow blocks which may directly attack the  
train's window panes. The plastic film for preventing the  
10 above troubles is especially required to be highly ~~resistance~~  
PP <sup>resistant</sup> to impact, and also to be highly resistant to weather because  
it is put in service continuously under severe conditions.

A film to be stuck on window panes or plastic boards for  
windows (hereinafter sometimes referred to as a window film)  
is generally coated with a hard coat layer, such as that of  
ionization radiation-curable resin (e.g., polyester  
acrylate-, epoxy acrylate-, urethane acrylate- and polyol  
acrylate-based resin), coated and cured thereon, to provide  
the film having resistance to scratching. Incorporation of  
an ultraviolet scattering agent in the hard coat layer to  
provide resistance to weather may deteriorate the resistance  
of the hard coat surface to scratching. Incorporation of an  
ultraviolet absorber, on the other hand, may prevent curing  
by ionization radiation or deteriorate the resistance to  
scratching. It is therefore very hard for conventional hard  
coat films to provide a base film having a satisfactory effect.